

Abstract of the Disclosure

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5 The present invention provides monoclonal antibody-producing hybridomas designated 27.F7 and 27.B1. The invention provides a method of detecting TIP-2 antigen bearing cancer cells in a sample. The invention provides a method of detecting TIP-2 antigen on the surface of cancer cells. The invention provides a method for diagnosing cancer in a subject. The invention provides a method for delivering exogenous material to TIP-2 antigen-bearing cancer cells of a human subject. The invention provides a method for treating cancer in a human subject. The invention provides isolated peptides having the amino acid sequences Lys Leu Leu Gly Gly Gln Ile Gly Leu (SEQ. ID No.) and Ser Leu Leu Gly Cys Arg His Tyr Glu Val (SEQ. ID No.). The invention provides a method for immunohistochemical screening of a tissue section for the presence of TIP-2 antigen bearing cancer cells. The invention provides a kit for detecting the presence of TIP-2 antigen-bearing cancer cells. The invention provides a method for detecting the presence of TIP-2 antigen. The invention provides a method for immunohistochemical screening of tissue sections. The invention provides a method for monitoring progression of cancer wherein the cancer cells are TIP-2 antigen-bearing cells. The invention provides a method for diagnosing cancer associated with the expression of TIP-2.